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Pocket No. 55046 (70207)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT(S): T. C. Walsh, et al.

EXAMINER: K. M. Kerr

SERIAL NO.: 10/017,324

GROUP: 1652

FILED: December 15, 2001

FOR:  
MOLECULES  
PREPARED THEREBYMETHODS FOR PREPARATION OF MACROCYCLIC  
AND MACROCYCLIC MOLECULESMail Stop: Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SIR:

**DECLARATION UNDER 37 CFR 1.131**

The undersigned declare as follows:

1. We are co-inventors of the above-identified application assigned to the President and Fellows of Harvard College.
2. Prior to September, 2000, we had reduced to practice reactions preparing macrocyclic molecules by contacting a excised thioesterase (TE) domain with a substrate that contained a nucleophile and an activated acyl residue.
3. Prior to September, 2000, we had reduced to practice macrocyclization substrates for use in preparing macrocyclic molecules that contained a nucleophile and an activated thioester group.
4. Prior to September, 2000, such macrocyclization substrates had been contacted in an aqueous media with a purified excised TE domain under conditions conducive to macrocycle formation. As evidence thereof, attached as Exhibit 1 are selected portions of a disclosure of the subject matter of the above-identified application. The disclosure attached as Exhibit 1 was generated, and actual experimental work disclosed therein was performed, prior to September, 2000. Portions of the disclosure attached as Exhibit 1, including specific dates, have been removed.

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5. We hereby further declare that all statements made herein are of our own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements are made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, and that such willful false statements may jeopardize the validity of the above-identified application or any patent issued thereon.

Date: \_\_\_\_\_

John W. Trauger

Date: \_\_\_\_\_

Rahul M. Kohli

Date: 11.6.2004

Henning D. Mootz

Date: 10.6.2004

Mohamed A. Marahiel

Date: \_\_\_\_\_

Christopher T. Walsh

Date: \_\_\_\_\_

Dirk Schwarzer

Date: \_\_\_\_\_

Michael D. Burkart

BOS2\_442602.1

Walsh, et al.

U.S.S.N. 10/017,324

Page 2

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Date: \_\_\_\_\_

\_\_\_\_\_  
John W. Trauger

Date: \_\_\_\_\_

\_\_\_\_\_  
Rahul M. Kohli

Date: \_\_\_\_\_

\_\_\_\_\_  
Henning D. Mootz

Date: \_\_\_\_\_

\_\_\_\_\_  
Mohamed A. MarahielDate: 6/9/04Christopher T. Walsh  
\_\_\_\_\_  
Christopher T. Walsh

Date: \_\_\_\_\_

\_\_\_\_\_  
Dirk Schwarzer

Date: \_\_\_\_\_

\_\_\_\_\_  
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Walsh, et al.  
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Date: \_\_\_\_\_

John W. Trauger

Date: \_\_\_\_\_

Rahul M. Kohli

Date: \_\_\_\_\_

Henning D. Mootz

Date: \_\_\_\_\_

Mohamed A. Marahiel

Date: \_\_\_\_\_

Christopher T. Walsh

Date: 06/11/2004

Dirk Schwarzer

Date: \_\_\_\_\_

Michael D. Burkart